

PTO/SB/08A (08-03)

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 8

Complete If Known

Application Number	10/054,619
Filing Date	January 22, 2002
First Named Inventor	Richard J. Melker
Group Art Unit	3736
Examiner Name	Navin Natnithithadha

Attorney Docket Number UF-270

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Code ²	Kind (if known)			
MJ	U1	3,567,029		03-02-1971	Quame	
	U2	3,792,272		02-12-1974	Harte et al.	
	U3	3,608,546		09-28-1971	Shinn	
	U4	3,877,291		4-15-1975	Hoppesch et al.	
	U5	3,955,926		5-11-1976	Fischer	
	U6	4,150,670		04-24-1979	Jewett et al.	
	U7	4,215,409		07-29-1980	Strowe	
	U8	4,314,564		02-09-1982	Albarda	
	U9	4,334,540		6-15-1982	Preti et al.	
	U10	4,346,584		08-31-1982	Boehringer	
	U11	4,349,626		9-14-1982	Labows et al.	
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	U13	4,456,014		06-26-1984	Buck et al.	
	U14	4,534,360		8-13-1985	Williams	
	U15	4,735,777		04-05-1988	Mitsui et al.	
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	U18	5,082,630		01-21-1992	Partin et al.	
	U19	5,094,235		03-10-1992	Westenskow et al.	
	U20	5,111,827	A	05-12-1992	Rantala	
	U21	5,167,972	A	12-01-1992	Greenberg et al.	
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	U26	5,425,374	A	06-20-1995	Ueda et al.	
NN	U27	5,447,165	A	09-05-1995	Gustafsson	

Examiner Signature

Date Considered

7/19/05

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/054,619
(use as many sheets as necessary)				Filing Date	January 22, 2002
Sheet	2	of	8	First Named Inventor	Richard J. Melker
				Group Art Unit	3736
				Examiner Name	Navin Natnithithadha
				Attorney Docket Number	UF-370

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Code ²	Kind (if known)			
N	U28	5,453,359	A	09-26-1995	Gargan et al.	
	U29	5,482,601	A	1-09-1996	Ohshima et al.	
	U30	5,495,744	A	03-05-1996	Ueda et al.	
	U21	5,501,212	A	03-26-1996	Psaros	
	U32	5,558,083	A	09-24-1996	Bathe et al.	
	U33	5,634,517	A	06-03-1997	Linden et al.	
	U34	5,571,401	A	Lewis et al.	11-05-1996	
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	U36	5,645,072	A	7-08-1997	Thrall et al.	
	U37	5,716,852	A	02-10-1998	Yager et al.	
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	U40	5,826,577	A	10-27-1998	Perroz et al.	
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	U50	6,025,200	A	02-15-2000	Kaish et. al	
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X	U54	6,074,345	A	06-13-2000	Van Oostrom et al.	
N	U55	6,094,681		07-25-2000	Shaffer et al.	

Examiner Signature		Date Considered	7/19/05
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Sheet	3	of	8	First Named Inventor	Richard J. Melker
				Group Art Unit	3736
				Examiner Name	Navin Natnithithadha
				Attorney Docket Number	UF-270

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		Number Code ²	Kind (if known)			
NA	U56	6,097,485	A	08-01-2000	Lievan	
	U57	6,120,443	A	09-19-2000	Cohen-Laroque	
	U58	6,131,571	A	10-17-2000	Lampotang et al.	
	U59	6,153,147	A	11-28-2000	Craig	
	U60	6,190,858	B1	2-20-2001	Persaud et al.	
	U61	6,203,814	B1	3-20-2001	Fisher et al.	
	U62	6,221,026	B1	4-24-2001	Phillips	
	U63	6,234,006	B1	05-22-2001	Sunshine et al.	
	U64	6,237,397	B1	05-29-2001	Shinar et al.	
	U65	6,248,078	B1	6-19-2001	Risby et al.	
	U66	6,261,783	B1	7-17-2001	Jayasena et al.	
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	U82	6,511,453	B2	01-28-2003	Georgieff	
	U83	6,558,626	B1	05-06-2003	Aker et al.	
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	U85	6,597,438	B1	07-22-2003	Cabuz et al.	
	U86	6,598,459	B1	07-29-2003	Fu	

Examiner Signature	<i>Nicole Shaffer</i>	Date Considered	7/19/05
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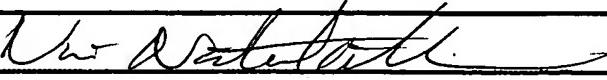
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Sheet	4	of	8	First Named Inventor	Richard J. Melker
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JM	U87	6,599,253	B1	07-29-2003	Baum et al.	
	U88	6,599,281	B1	07-29-2003	Strauys et al.	
	U89	6,620,800	B1	09-16-2003	Roberts II	
	U90	6,631,333	B1	10-07-2003	Lewis et al.	
	U91	6,680,377	B1	01-20-2004	Stanton et al.	
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	U94	2001/0021815	A1	09-13-2001	Katzman et al.	
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	U96	2001/0050228	A1	12-13-2001	Jaeger	
	U97	2001/0055544	A1	12-27-2001	Copp	
	U98	2002/0007687	A1	01-24-2002	Zimmermann et al.	
	U99	2002/0068295	A1	6-06-2002	Madou et al.	
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	U101	2002/0177232	A1	11-28-2002	Melker et al.	
	U102	2003/0004426	A1	01-02-2003	Melker et. al.	
	U103	2003/0059820	A1	03-27-2003	Vo-Dinh	
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	U105	2003/0139681	A1	07-24-2003	Melker et al.	
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XN	U111	09/708,789 (Application No.)		11-08-2000 (Date Filed)	Lampotang et al.	
	U112					
	U113					
	U114					
	U115					
	U116					

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NJP	F1	DE 19607646	(English Abstract)	A1 Muehlenberg et al.	09-11-1997	
	F2	DE 29902593	(English Abstract)	Genzyme Virotech GmbH	08-26-1999	
	F3	EP 0 370 151		A1 L'Air Liquide, S. A.	05-30-1990	
	F4	EP 0 979 997	(English Abstract)	A1 Siemens AG	02-16-2000	
	F5	GB 829,409		A Governors of the United Birmin	03-02-1960	
	F6	GB 2 309 166		A Cleansharp Limited	07-23-1997	
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	F8	JP 08313407	(English Abstract)	A Suzuki Motor Corp.	11-29-1996	
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	F14	WO 00/25108		A1 Copp Life Systems	05-04-2000	
	F15	WO 00/79243		A1 Cyrano Sciences, Inc.	12-28-2000	
	F16	WO 2002/079514		A1 The Trustees of Boston College	10-10-2002	
↓	F17	WO 03/016901		A1 Samsung Electronics Co., Ltd.	02-27-2003	
↓	F18	WO 2004/065404		A1 University of Florida Research Foundation, Inc.	08-05-2004	

Examiner Signature	<i>Mr. - [Signature]</i>	Date Considered	7/19/05
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OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
M	R1	BRODY, E. N. et al., "Aptamers as Therapeutic and Diagnostic Agents," <i>Reviews in Molecular Biotechnology</i> (2000), Volume 74, pages 5-13.	
	R2	BRODY et al. "The use of Aptamers in Large Arrays for Molecular Diagnostics," <i>Molecular Diagnosis</i> (1999), Volume 4, number 4, pages 381-388.	
	R3	DICKINSON, T. A. et al., "Current Trends in 'Artificial-Nose' Technology," <i>Tib Tech</i> , 1998, 16:250-258.	
	R4	FISHER et al. "A man-portable chemical sniffer utilizing Novel Fluorescent polymers for detection of ultra-trace concentrations of explosives emanating from landmines," <i>Nomadics Inc.</i> (2000), PAGES 1-10.	
	R5	GANGA-ZANDZOU, P.S. et al. "A 13C-urea breath test in children with Helicobacter pylori infection: validity of the use of a mask to collect exhaled breath sample," <i>Acta Paediatr.</i> (2001), Volume 90, pages 232-233.	
	R6	HAMMON III, W. S. et al., "Forensic GPR: Finite-Difference Simulations of Responses From Buried Human Remains," <i>Journal of Applied Geophysics</i> , (2000), 45:171-186.	
	R7	HONG, C. et al., "Carbon Nanotube-Enhanced Electrochemical DNA Biosensor for DNA Hybridization Detection" (2003), <i>Anal. Bioanal. Chem.</i> , 375:287-293.	
	R8	LIEBICH et al. "Volatile Substances in Blood Serum: a Profile Analysis and Quantitative Determination," <i>Journal of Chromatography</i> (1977), Volume 142, pages 505-516.	
	R9	MILLER III, E. R. et al., "Association Between Cigarette Smoking and Lipid Peroxidation in a Controlled Feeding Study," <i>Circulation</i> , (1997), 96(4):1097-1101.	
✓	R10	MUELLER et al. "Experience in mass spectrometric identification in acute poisoning," <i>Beitr. Diagn. Ther. Akuter. Intox., Vortr. Symp. 4th</i> (1982), pages 126-134, ABSTRACT ONLY.	
M	R11	PANTAROTTO D. et al., "Synthesis, Structural Characterization, and Immunological Properties of Carbon Nanotubes Functionalized with Peptides" (2003), <i>J. Am. Chem. Soc.</i> , 125:6160-6164.	

Examiner Signature		Date Considered	7/19/05
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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/054,619
(use as many sheets as necessary)				Filing Date	January 22, 2002
Sheet	7	of	8	First Named Inventor	Richard J. Melker
				Group Art Unit	3736
				Examiner Name	Navin Natnithithadha
				Attorney Docket Number	UF-270

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>NJ</i>	R12	PAVLOU and TURNER. "Sniffing out the truth: Clinical Diagnosis Using the Electronic Nose," <i>Clin. Chem. Lab. Med.</i> (2000), Volume 38, number 2, pages 99-112.	
	R13	PERRI, F. "Diagnosis of <i>Helicobacter pylori</i> infection: which is best? The urea breath test," <i>Dig. Liver. Dis.</i> (2000), Volume 32, Supp. 3, pages S196-198.	
	R14	PHILLIPS, M., "Breath Tests in Medicine," <i>Scientific American</i> , 1992, pages 52-57.	
	R15	Pilar Kraman, "Prescription Drug Diversion," <i>Trends Alert</i> provided by the Council of State Government at www.csg.org (April 2004).	
	R16	ROGERS et al. "Fiber-optic biosensors based on total internal-reflection fluorescence," <i>American Chemical Society</i> (1992), Ch. 13, pages 165-173.	
	R17	STUART, B. H. et al., "Studies of Adipocere Using Diffuse Reflectance Infrared Spectroscopy," <i>Vibrational Spectroscopy</i> , 24:233-242, (2000).	
	R18	STUBBS, D. D. et al., "Investigation of Cocaine Plumes Using Surface Acoustic Wave Immunoassay Sensors," <i>Anal. Chem.</i> , 75:6231-6235, (2003).	
	R19	TRACQUI, A. et al. "Systematic Toxicological Analysis Using HPLC/DAD," <i>Journal of Forensic Sciences</i> (1995), Volume 40, Number 2, pages 254-262.	
	R20	U.S. FOOD AND DRUG ADMINISTRATION, "FDA White Paper, Protecting the Public Health: FDA Pursues and Aggressive Enforcement Strategy," www.fda.gov/oc/whitepapers/enforce.html (06-30-2003).	
<i>J</i>	R21	U.S. FOOD AND DRUG ADMINISTRATION, "New FDA Initiative to Combat Counterfeit Drugs," www.fda.gov/oc/initiatives/counterfeit/background.html (07-02-2004).	
<i>NC</i>	R22	UNITED STATES DEPARTMENT OF JUSTICE, "Review of the Drug Enforcement Administration's (DEA) Control of the Diversion of Controlled Pharmaceuticals," Report Number I-2002-010 www.usdoj.gov/oig/inspection/DEA/0210/background.htm (September 2002).	

Examiner Signature	<i>Richard J. Melker</i>	Date Considered	7/09/02
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				Examiner Name	Navin Natnithithadha
				Attorney Docket Number	UF-270

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<i>MM</i>	R23	VASS, A., "Beyond the Grave – Understanding Human Decomposition," <i>Microbiology Today</i> , Nov. 2001, 28:190-192.		
<i>MM</i>	R24	VASS, A. et al., "Decomposition Chemistry of Human Remains: A New Methodology for Determining the Postmortem Interval," <i>J. Forensic Sci.</i> , (2002), 47(3):542-553.		
<i>MM</i>	R25	VASS, A. et al., "Detection of Buried Human Remains Using Bioreporter Fluorescence," U.S. Dept. of Energy Report, Y/NSP-726 (2001).		
	R26			
	R27			
	R28			
	R29			
	R30			
	R31			
	R32			
	R33			

Examiner Signature	<i>Richard J. Melker</i>	Date Considered	1/9/05
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